MODIS PFM
Routine Operations

Section Divider

MODIS Routine Operations

- Commanding by a 7-day in advance command load
- Advance plan published in Operations Section of MCST Homepage
- Field Campaign Form in Operations Section (few operational activities will impact normal Earth observations)
- Some Day-mode data collection at night planned to verify SWIR corrections
- Band 26 will not be included in L1B product beyond Day 90 unless Science Team directs otherwise
- SD observations about weekly
- Lunar observations through Space View Port via small roll maneuver about monthly
- OBC Black Body Warm-up/cool-down cycle about monthly
- SRCA spectral and spatial mode tests less frequently than monthly

Operational Activities Schedule for period after A&E

- Day 95 SD screen up and screen down
  - and each week to day 150, then each two weeks to day 4000
- Day 96 Deep Space Pitch
  - again at Days 2096 and 3999
- Day 98 Lunar View (Space View Port)
  - and each 28 days thereafter
- Day 100 SRCA Spatial
  - and each 90 days thereafter
- Day 105 Blackbody warmup/cooldown
  - and each 30 days thereafter
- Day 120 SRCA Spectral
  - and each 120 days thereafter
- Day 120 Sector rotation, SD corner view for RVS testing
  - and each 30 days thereafter

Science Team Interactions

- **Timelines posted on MCST Homepage**
  - 48 hour predicts (first 90 days)
  - 7 day predicts there-after
- **Field Campaigns Form so we know your needs**
  http://mcstweb.gsfc.nasa.gov/IOT/campaign_form.html
- **Calibration Validation Workshops**
  - Calibration-Applicable Archive Test Scenes (CAATS)
- **L1B development statistics and change history will be posted to Homepage**
- **Code and Look-up Tables available (by subscription) via Homepage for DB, etc**
- **Additional components of Homepage communication TBD**

Calibration Validation Workshops

- **Consensus for calibration changes developed through Workshop interactions**
- **Objective to understand impact of calibration changes to Level 2 products**
- **Test proposed changes with actual data**
- **CAATS used to provide test scenes to L2 developers**
  - Use L2 developers recommended test scenes
- **Project first meeting about 90 days after launch**

Calibration -Applicable Archival Test Scenes (CAATS)

- **This is a Post-launch Calibration Validation Workshop strategy for L1B validation and improvements**
  - Minimize surprises to L2 products from updates to L1B
  - User Groups requested to identify selected scenes to test candidate calibration improvements
  - Frequently these will be scenes associated with ground truth
- **Workshops would be held about twice yearly**
- **Test scenes for this purpose are being called CAATS**
  - MCST (or our friends) would send out CAATS processed L1B files with test candidate calibration improvements for L2 developers to review in advance of each workshop

Communications with Users - I

- **Data and Level 1B code will be widely available.**
  - Code distributed by subscription so we can “push” to subscribers information on code updates as they are implemented
- **MCST will not have resources to maintain a Help Desk**
  - Estimated level-of-effort 1-2 FTE for first year of launch

Communications with Users - *II*

- **MCST will maintain a web page describing level 1B, products and calibration information**
  - Development status
  - Descriptions of
    - **Level 1B software system**
    - **Look up tables**
    - **Algorithms**
  - FAQs for calibration, Level 1B and products
  - Change history of Level 1B
  - Change history for Look Up Tables